

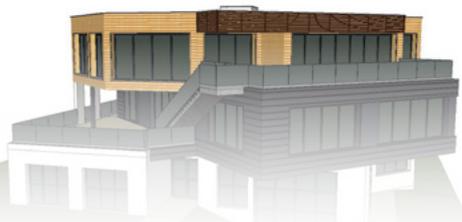
THE TEST CENTER IN THE FUTURE

The PRACARTIS Group Test Center is evolving, as are the needs of our customers who are looking for **global machining solutions in order to reduce development times** and above all to **have first prototypes manufactured on external industrial equipment** meaning no disruption to their production.



A new **800m² infrastructure** entirely dedicated to the Research & Development Department of the PRACARTIS Group will come to life in early 2021. It will be equipped with **new machining centers and metrology machines**, and its **team will be reinforced for a better technical support**.

PRACARTIS Group, in addition to its recognized know-how in the design and implementation of global high precision machining solutions, will become a **key player concerning the research for material and strategic innovation** in an ever-widening range of industrial activities and areas.



SOME CUSTOMERS OF THE TEST CENTER

AIRBUS GROUP

Le Bélier

APCO TECHNOLOGIES

STELIA

SAFRAN AIRCRAFT ENGINES

Eurocast Drive

worknc Dental

DUQUEINE GROUP

OUR PARTNERS

Robotmaster
CAD/CAM FOR ROBOTS

Mastercam

HBM

STOBER

HALDER

STÄUBLI



QUOTATION ON REQUEST

PRACARTIS GROUPE
Chemin de la Forêt
74250 PEILLONNEX - France

Tel. : +33 (0)4 50 36 95 44
info@pracartis.fr

 pracartis.fr

 [linkedin.com/company/pracartis-groupe](https://www.linkedin.com/company/pracartis-groupe)

**PRACARTIS**
GROUPE

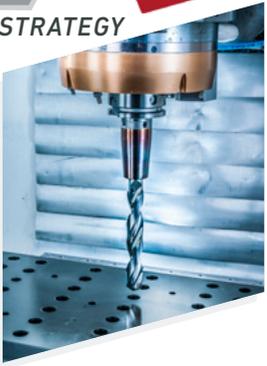
TEST CENTER



Pracartis Groupe - photos Credits : Pracartis Groupe & Studio Sémaphore
PLEASE DO NOT LITTER

R&D AND TEST CENTER

DEDICATED TO YOUR MACHINING STRATEGY



Partner of companies, engineering schools and university laboratories, approved training center, involved in many French and European R&D projects, the PRACARTIS Group is part of a **voluntary and continuous innovation approach** to meet the needs of machining processes improvement.

PRACARTIS Group has deployed a **fully equipped technical test center**, open to its customers, allowing the company to **measure cutting power and forces, vibrations, surface conditions**, in the most challenging fields of machining (*multilayers assemblies, hard or refractory metals, alloys, ceramics, etc.*).

ACHIEVEMENTS OF THE TEST CENTER

Every day, the Test Center performs a wide range of various missions :

- **Tests definition** - machine process, fixture, equipment.
- **Development tests on a new tool geometry.**
- **Tool/material pair trials** - definition of appropriate cutting conditions depending on the operation, the material, the tool and the cutting fluid.
- **Tool life testing.**
- **Definition of machining strategies** as well as **tests on products, tools, materials and cutting fluids.**

Our role also includes **technical support to define a global machining solution** (*spindle, tools, strategies, machines, cutting fluid, process and cutting conditions*). Each trial comes with a **full report including test conditions, selected operating parameters and results.**



Improving machining performance is the main objective of PRACARTIS to help their customers to improve their productivity

OUR EQUIPMENT

CNC MACHINING CENTERS

Deckel FP3CC 3 axis (*retrofitted*)

Spindle speed 24'000 rpm - 35 kW

Others on request (from 30 to 100'000 rpm)

DMG-MORI DMU-50 5 axis

Production of complex parts

Spindle speed 20'000 rpm - 35 kW

ROLAND 5 axis milling machine DWX-51D

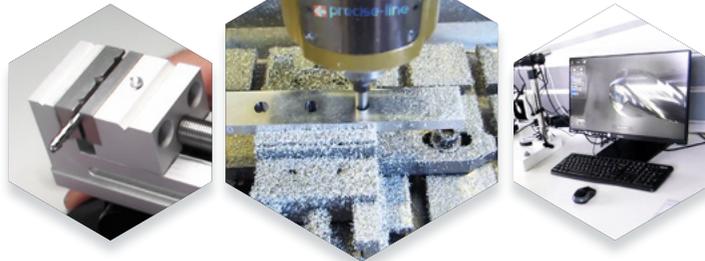
Tests on CAD-CAM cutting tools

Robotic machining cell - Stäubli TX2-90

Spindle or workpiece mounted

7 axis : rotary table and tool changer

Force and Power measurement



MAIN ACTIVITIES AREAS



AERONAUTICS



AEROSPACE



CAR INDUSTRY



WATCHMAKING



DENTAL & MEDICAL



DIGITAL

MEASUREMENT SYSTEMS

9255C 6-components Kistler dynamometer

WITIS® & Cut Optimizer®

data acquisition softwares

DigitalWay WattPilote wattmeter

CTC triaxial accelerometer

HBM multi-component force sensor (F_x, F_y, F_z, M_z)



VISUALIZATION & MEASUREMENT

Binocular with 4K resolution camera

Quality inspection

